

KRATOCHVIL, J.

"The biocoenotic development of the Koog foreland" by
B. Heydemann. Reviewed by J. Kratochvil. Cas entom
60 no.1/2:172 '63.

KRATOCHVIL, Jaromir, inz.

Determining the development of profitableness. Podnik organizace
17 no.1:12-14 Ja '63.

1. Ministerstvo hutního průmyslu a rudných dolů.

KRATOCHVIL, Jaroslav

H-8d

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and
Their Application, Part 2. - Elements, Oxides,
Mineral Acids, Bases, Salts. - Other Elements,
Oxides, Mineral Acids, Bases, Salts.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33076.

Author : Zdeněk Hošťálek, Jaroslav Kratochvíl.

Inst : Not given.

Title : Method of Direct Preparation of Alkali-Earth Metal
Iodides with Iodine.

Orig Pub: Chem. průmysl, 1956, 6, No 12, 485-489.

Abstract: The method of preparation of alkali-earth metal iodides
by a direct reaction among I_2 , metallic Fe and alkali-
earth metal carbonate in accordance with the equation
 $3CaCO_3 + 2Fe + 3I_2 = 3CaI_2 + 2Fe(OH)_3 + 3CO_2$ was studied.
The technology of the industrial production of CaI_2

Card : 1/2

KRATOCHVIL, Jaroslav, dr.

Role of the Permanent Technical Glass Exhibition in Sazava.
Sklar a keramik 13 no.8:199 Ag '63.

1. Sdruzeni podniku technickeho skla, Sazava.

KRATICHVIL, Jaroslav, inz.

A mine road of 1,100 meters driven by the PK-3a cutter loader at the Dukla mine within 31 working days. Uml 6 no.11:385-386 N '64.

1. Scientific Research Institute of Coal, Ostrava-Radvanice.

KRATONVII, Jiri, inz. C. a.; MOJEL, K. J., prof. dr. inz. inž. .

Preliminary static calculation of arch dams. Izv. VUZ 13 4. 2:
108-113 '65.

Static solution of arch dams on the basis of the cylindrical shell
bending theory. Ibid.:111-115

1. Chair of Hydrotechnology of the Faculty of Building of the
Higher School of Technology, Brno (for K. Možel).

Wittmann, E.

Kuntze, J.; Rosicky, B.

"The Biology And Taxonomy Of The Aroderus Genus Of Lice Living In
Czechoslovakia." p. 57. (Zoologica A Entomologica Libr. Vol. 1,
No. 1, 1952, Trans.)

Vol. 5, No. 1.
See: Monthly List of East European Research, Vol. 1, No. 1, 1952, p. 1.

KRATOCHVIL, J.

Kratochvil, J. Chroustí a bažantí. Za red. J. Kratochvíla zprávy 11
J. Kratochvil (et al. 1. vyd.) Praha, Maf. Československá akademie věd,
1953. 153 p. (Československá akademie věd. Věda má svůj život. Sekce biolo-
gická, sv. 3) (Cockchafters and the fight against them. 1st ed. illus.,
fold. maps, bibl.)

SO: Monthly List of East European Accessions, (DEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

KRATOCHVIL, J.

Present day state of Czechoslovak zoology. Chokh.biol. 2 no.3:129-137
Je '53. (MLRA 7:4)

(Czechoslovakia--Zoology) (Zoology--Czechoslovakia)

ROSICKY, B., KRATOCHVIL, J.

Synanthropy of mammals and role of synanthropic and exotrophic rodents in natural foci of diseases. Chokh biol 2 no.5:283-295 0 '53. (REAL 3:7)

1. Institut biologii ChSAN, parazitologiya, Praga, i Institut zoologii VShZ, Brno.

(RODENTS,

*transm. of infect. dis.)

(COMMUNICABLE DISEASES, transmission,

*carriers, rodents)

K. R. T. C. H. V. I. L. J.

1. 1. 1. 1. 1.

... (Zoologické a Entomologické Listy. Praha. East Vol. 3, no. 1, Mar. 1954)

BARDOS, V.; BREZINA, R.; HYMPAN, J.; KMETY, M.; KRATOCHVIL, J.; LIBIKOVA, H.;
MICICKA, O.; MILOSOVICOVA, A.; ROSICKY, B.; SOMODSKA, V.

A complex survey of infection foci in Eastern Slovakia in 1953.
Bratisl. lek. listy 34 no.10-11:1166-1195 Oct-Nov 54.

1. Za Zoologického ustavu Vysokej školy polnohosp. v Brne, prednosta
prof. dr. J.Kratochvil, z Virologického ustavu CSAV v Bratislave,
riaditel' akademik D.Blaskovic, z Biologického ustavu CSAV v Prahe,
riaditel akademik I.Malek, z Oblastneho ustavu epidemiologie a
mikrobiologie v Bratislave, riaditel dr. J.Karolcek, z Neurologickej
kliniky PLFSU v Kosiciach, prednosta doc. dr. J.Hympan, z KHSu v
Kosiciach, riaditel dr. J.Kratochvil, z Hygienickeho ustavu LFSU
v Bratislave, prednosta akademik V.Mucha
(ENCEPHALITIS, EPIDEMIO, epidemiology
in Czech., foci survey in E.Slovakia)
(LEPTOSPIROSIS, epidemiology
in Czech., foci survey in E.Slovakia)

KRATOCHVIL, J.

Oldest systematic work concerning the vertebrates of Moravia and Silesia.
p. 138. Brno. Moravské museum. CASOPIS. ACTA. Brno. Vol. 40, 1955.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

The snow mouse Microtus (Chionomys) sibiricus Schaeffer 1906
in the Tatra Mountains. s. l. Colorado. s. l. s. l. v. d. s. l. s. l. s. l.
collection. PRAC. Revue. Vol. 27, no. 1, 1906.

SCUPH: East European Accessions List, (EEAL), Library of Congress
Vol. 5, no. 12, December 1966.

KRATOCHVIL, Josef

Pouzita zoologie. Cast 2. Obratlovci. (Applied Zoology. Vol. 2 Vertebrates. 2d rev. and enl. ed.) For the students of the faculties of agronomy and economics. Prague, SPN, 1957. 172 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 716.

KRATOCHVIL, Josef

Pouzita zoologie. Cast 1. Bezobratli. (Applied Zoology. Vol. 1. Invertebrates; a university textbook. 2d rev. and enl. ed. tables) For the students of the faculties of agronomy and economics. Prague, SPN, 1957. 239 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 716.

KRATOCHVIL, J.: ~~Author, P.: [redacted]~~

SCIENCE

Periodical PRACE. Vol. 30, no. 2, 1958.

KRATOCHVIL, J.: ~~Author, P.: [redacted]~~ Results of the zoological expedition to Bulgaria organized by the Czechoslovak Academy of Sciences. Pt. 1. p. 371.

Monthly List of East European Accessions (MEAI) LC, Vol. 8, no. 3, March, 1959.
Unclassified

KRATOCHVIL, J.

SCIENCE

Periodical PRACE. Vol. 30, no. 9, 1958.

KRATOCHVIL, J. Spiders Cyphophthalmi and Laniatores in Bulgaria. p. 372.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959.
Unclassified

KRATOCHVIL, JOSEF, ed.

Hrabos poini. Microtus arvalis. (Josef Kratochvil a spolupracovníci. L. vyd.)

Praha, Czechoslovakia, Nakl. Ceskoslovenske akademie ved, 1959. 359 p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959
Uncl.

KRATOKHIVIL, Y.

Description of new family of harvestmen (Giljaroviinae,
Nemastomatidae) with a key to the genera of Nemastomatidae.
Zool.shur. 38 no.9:1344-1352 S '59. (MIRA 13:1)

1. Zoologicheskii institut Vysshey shkoly sel'skogo i lesnogo
khozyaystva (Brno, Czechoslovakia).
(Phalangida)

KRATOCHVIL, Josef, prof., dr. (Brno, Jiraskova 47)

On morphology of *Caeculus echinipes* (Acarina, Caeculidae).
Cas entom 59 no.2:174-182 '62.

1. Institut de zoologie de l'Universite d'agriculture,
Brno.

11:51-65 Pa-4 AFIC(b)/AMD
ACCESSION NR: AP4049756

Z/0049/64/000/007/0562/0564

AUTHOR: Kratochvil, J.

TITLE: Studies of Kahmann (1961) and Ferienc (1963) dealing with the occurrence of Apodemus Agrarius (6)

SOURCE: Biologia, no. 7, 1964, 562-564

TOPIC TAGS: zoology, ecology, bionomics, mammal, mouse, river, rodent

Abstract: The author believes that KAHMANN's theory that the expansion of Apodemus takes place upwards, against the flow of the river Morava is not yet proved. It seems, that not even at zitny Ostrov the occurrence of the mouse has been fully established. Existence of the mammal in Austria, and in the South of Slovakia is discussed. It is stated that the occurrence of a small mammal at a given time should be considered as a dynamic, not static factor, because the number of animals of a kind may vary drastically according to circumstances from one period to another.

Cont

1/2

L 11393-65

ACCESSION NR: AP4048756

ASSOCIATION: Ustav pro vyskum obratlovcu Ceskoslovenske akademie ved v
Brne (Institute for the Research of Vertebrates, Czechoslovak Academy of
Sciences)

SUBMITTED: 02Jan84

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 011

JPRS

Card

2/2

KRATOCHVIL, Josef

The male sex organ of *Spalax leucodon hungaricus* Nehring,
1897. Acta theriolog 8 no.1/16:189-206 '64.

1. Institute of Vertebrate Zoology of the Czechoslovak
Academy of Sciences, Brno.

KRATCHVIL, R.

Diagnosis and treatment of breast carcinoma. R. Kratchvil
(Wash. Adv. Wkchr. 1953 Ch. 1 p. 18-20).
W. H. Brown.

BRATOCHVIL, K.

A Czechoslovak supersonic apparatus for determining the mechanical properties of concrete roadways. p. 242. (Inzenyrske Stavby, Vol. 5, No. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

KRATOCHVIL, Karel

Reconstruction of a magnetic roasting line. Sbor Vyzk ust
Mnisek 4:63-75 '64.

1. Research Institute of the Zelezorudne doly a hrudkovny
National Enterprise, Mnisek.

BYO-REDA MEDICAL Soc 10 Vol.9/6 Obstetrics June 1954
1047. KRATOCHVÍL L. Okresní Úst. národního zdraví Písek. Společný
vraty typu petit mal jako indikace k interrupci gravidity. Petit mal
seizures as indication for interruption of the pregnancy.
ČAS. LÉK. ČES. 1954, 93/44 (1223-1224)

A woman of 22 years had petit mal seizures since the age of 12 years. In the
month of pregnancy the seizures increased and it was not possible to control
by drugs. Symptoms of brain oedema began to be manifest. After interrupting
the pregnancy the seizures disappeared immediately. Even 3 weeks after the
tomy the patient was quite well. The drug treatment was continued. The findings
ings were at that time normal.

Henner - Prague (VII)

KRATOCHVIL, Ludek, inz.; UHRICEK, Vladimir, inz.

Outlook for heavy motor trains. Automobil 6 no.12:370-373
D '62.

HERMACH, Jaroslav; KRATOCHVIL, Ludek, inz.

Operational experiences with the Skoda RTO-K prototype and its
economic evaluation. Automobil 7 no.2:42-44 F '63.

1. Vyzkumny ustav dopravní, Praha.

KRATOCHVIL, L.

"The Mechano-Therapy of Disc Dislocation with Employment of Intravenous Narcosis."

SO: Neurol. a psych., Prague, Vol. 16 (1953), No. 4, pp. 214-213.

KRATOCHVIL, Dr.; MLADEK, Dr.; PODLAHA, Dr.

Problem of differential diagnosis of non-paralytic form of
poliomyelitis. Prakt. lek., Praha 35 no.17:392-393 5 Sept 55.

1. Z infekčního oddelení (prednosta MUDr. RNDr. F. Mladek)
a neurologického oddelení (prednosta MUDr. L. Kratochvil)
OUNZ-nemocnice v Písku.
(POLIOMYELITIS, differential diagnosis
non-paralytic)

KRATOCHVIL, L.; MACHACEK, M.

Cranio-cerebral injuries in children resembling extracerebral hematomas.
Acta chir. orthop. traum. cech. 26 no.2:108-110 Mar 59.

1. Neurologické oddělení OUNZ Písek, přednosta MUDr. L. Kratochvíl Chir-
urgické oddělení OUNZ Písek, přednosta MUDr. M. Macháček.

(BRAIN, wds. & inj.

cranio-cerebral inj. in child., differ. diag. from extracerebral
hematoma (Cz))

(HEMATOMA, in inf. & child

extracerebral hematoma, differentiation from cranio-cerebral
inj. (Cz))

PODLAHA, M.; KRATOCHVIL, L.

Familial dysplasia of the metaphysis -- Pyle's disease. Cesk.
rentgen. 18 no.3:203-207 My'64.

1. Ustredni rentgenologicke oddeleni OUNZ v Pisku; (vedouci:
MUDr. M.Podlaha) a Neurologicke oddeleni OUNZ v Pisku (vedouci:
MUDr. L.Kratochvil).

*

KRATOCHVIL, I.

Subacute van Bogaert's sclerosing encephalitis with remittent course. Cesk. neurol. 27 no.5:349-351 S '64.

1. Neurologické oddelení Obvodního ústavu národního zdraví v Písku, (vedoucí MUDr. L. Kratochvíl).

KRATOCHVIL, LUBOMIR

CZECH

Paper electrophoresis in agricultural biochemistry. II. Separation and quantitative estimation of fractions of casein prepared according to Hammarsten. Milan Kuriček and Lubomir Kratochvíl (Výzk. úst. zeměd., Věd. úst. zeměd. Československa, Prague). *Sborník Československé Akad. věd, Ser. A*, 27, 353-62 (1954); cf. C.A. 48, 5250c. — Proteins of cow milk were investigated by paper electrophoresis (I). Proteins of whey, unlike the fractions of casein, are easily separable by I. Suitable conditions were found for the separ. of the fractions of casein by I. Analysis of casein shows the presence of 3 components, which is in agreement with the results of classical electrophoresis by Tiselius (C.A. 46, 582g). The existence of gamma casein, doubted by some investigators, was confirmed by I. Quant. evaluation of the paper electrophoregrams by densitometry and after elution is in agreement with the classical electrophoresis by Tiselius. Jan Micka

KRATOCHVIL, L.

Manufacturing butter according to M-leshin's method. p. 202,
SOVETSKA VEDA: POTRAVINARSTVI (Czechoslovenska akademie ved. Chemicka
sekce) Praha, Vol. 3, No. 3, 1955

SOURCE: East European Accessions List (LEAL) Library of Congress,
Vol. 4, No. 12, December 1955

L. VLOCH, L.

"Homogenization of milk in milk pumps and its effect on the degree of milk separation in cream separators."

PRŮMYSL ROZVOJ. Praha, Czechoslovakia. Vol. 6, no. 10, 1965

Monthly List of East European Accessions (EAL), 10, Vol. 1, No. 1, Jun 59, Uncls

Country : GDR
 Category : Chemical Technology. Chemical Products and Their Applications. -- Food Industry. H-28
 Abs. Jour. : R. Zh. - Khim., No. 11, 1959 40540
 Author : Kratochvil, L. and Vedlich, M.
 Institut. : Not given
 Title : Fat Losses in Buttermilk with Various Types of Cream Pasteurization Procedures

Orig Pub. : Milchwissenschaft, 12, No 10, 394-397 (1957)

Abstract : The authors report on semiplant scale comparison tests on the pasteurization of milk in film pasteurizers (FP) and drum pasteurizers (DP). It has been found that the fat content in the buttermilk obtained from the cream pasteurized in DP on the average is 0.25% higher than that in buttermilk from FP processed cream. Similar plant scale tests have shown a difference of 0.20%. Investigations of the fat globule diameters have shown that DP processed cream contains a considerable proportion of globules with diameters of under 1.6 microns. DP processing results in a partial disintegration of the fat

Card: 1/2

KRATOCHVIL, L.

TECHNOLOGY

Periodicals: PRUMYSL POTRAVIN Vol. 9, No. 12, Dec. 1958

CERNA, E. : KRATOCHVIL, L. Application of protein tests in the cheese industry. p. 636

Monthly List of East European Accessions (MEAI) Vol 8, No. 5 May 1959, Unclass.

KUTACHEK, M. [KUTACHEK, M.], ~~KRATOCHVIL, L.~~ [KRATOCHVIL, L.]

Paper electrophoretic investigation and separation of milk serum proteins from healthy cows and cows infected with brucellosis [with summary in German]. Biokhimiia 23 no.3:471-474 My-Je '58

(MIRA 11:8)

1. Kafedra khimii agronomicheskogo fakul'teta Nauchno-issledovatel'skogo instituta molochnoy promyshlennosti, Praga, Chexoslovakiya.

(PAPER ELECTROPHORESIS)

(MILK-ANALYSIS)

(BRUCELLOSIS IN CATTLE)

KRATOCHVIL, L.; VEDICH, M.

Improving the manufacturing process of lecithin by a deodorization process and by introducing K. Fischer's method for water determination. p. 18

PRUMYSL POTRAVIN. (Ministerstvo potravinarskyho prumyslu) Praha, Czechoslovakia. Vol. 10, no. 1, Jan. 1959

Monthly List of East European Accessions (FEAI), LV, Vol. 8, no. 7, July 1959
Uncl.

KRATOCHVIL, Lubomir, inz., Sc.C.; VEDLICH, Miloslav

Churning butter from stored cream. Prum potravin 13 no.9:473-479
S '62.

1. Vyzkumny ustav mlekarensky, Praha.

KRATOCHVIL, Lubomir, inz.; VEDLICH, Miloslav

Controlling the water content in butter in the continuous
production of the Czechoslovak 4 MVC churn. Prum potravin
14 no.5:257-261 My '63.

1. Vyzkumny ustav mlekarensky, Praha.

KRATOCHVIL, Lubomir, inz., CSc.; VEDLICH, Miloslav

Storing butter made in continuous churns in retail trade packages.
Prum potravin 14 no.8:400-406 Ag '63.

1. Vyzkumny ustav mlekarensky, Praha.

KRATOCHVIL, Lubomir, inz., CSc.; VEDLICH, Miloslav

Effect of the cream temperature and other factors on the consistency of butter. Prum potravin 14 no. 12:626-628 D '63.

1. Vyzkumny ustav mlekarensky, Praha.

KRATCCHVIL, Lubomir, inz. CSc.;

Control of the quality of and dairy products in the German
Democratic Republic. Prum potravin 15 no. 6:290-293 Je '64.

1. Institute of Dairy Research, Prague.

KRATOCHVIL, Ludek, inz.

Modern analysis of road transportation. Siln doprava 11
no.5:24 My '63.

S/273/63/000/002/002/010
A052/A126

AUTHORS: Knívan, Zdeněk, Čadek, Otto, Kratochvíl, Maximilian, Kliment, Vladimír, Svátek, Jiří, Janutka, Josef, Ostrouchov, Mikuláš

TITLE: Internal combustion engine with supercharged turbocharger

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 39. Dvigateli vnutrennego sgoraniya, no. 2, 1963, 11 - 12, abstract 2.39.77 P (Czech. pat., cl. 46f, 5/03, 46f, 8/02, no. 98178, January 15, 1961)

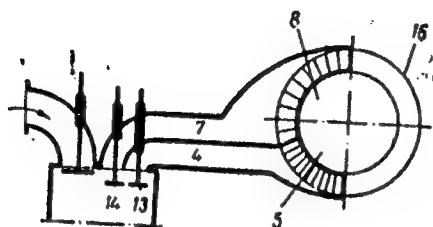
TEXT: To better utilize the energy of exhaust gases it is proposed to supply them in two streams 4 and 7 (see Fig.) to the guiding apparatus of the gas turbine 16, the blades of which have such a form in each of two sections 5 and 8 that the circumferential components of gas velocities are equal.. In a 4-cycle engine 2 exhaust valves 13 and 14 are mounted; the valve 14 opens later than the valve 13. A variant of an engine with an outlet slide valve instead of two valves is described as well as a variant of a 2-cycle engine with two channels connected to the outlet ports. There are 2 figures.

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Internal combustion engine with supercharged

S/273/63/000/002/002/010
A052/A126

Figure



[Abstracter's note: Complete translation]

A. Zhukov

Card 2/2

KRATOCHVIL', M., inzh.

Present state of the development of two-cycle diesel engines in
Czechoslovakia. Izv.vys.ucheb.zav.; mashinostr. no.4:59-71
'59. (MIRA 13:4)

1. Predstavitel' Nauchno-issledovatel'skogo dizel'nogo instituta,
Praga, Chekhoslovakiya.
(Czechoslovakia--Diesel engines)

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81704.

Author : Kratochvil M , Frejka J.

Inst

Title : The Reaction Between Silicon Tetrachloride With Tetrahydrofuran.

Orig Pub: Chem. listy, 1958, 52, No 1, 151-152.

Abstract: By the reaction of SiCl_4 with tetrahydrofuran (I) in the presence of catalytic amount of concentrated HCl, tetra[kis-]*(4-chlorobutoxy)-silane (II) is formed, together with 1-chlorobutanol-4, and a mixture of chlorobutoxy silanes. After boiling 1.25 moles of I with 0.25 moles of SiCl_4 and 1 ml of concentrated HCl for 6 hours, an additional 0.5 moles of I is added to the mixture with intensive cooling.

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*[sic]

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81704.

II is obtained in a 19% yield, b.p. 206-208°C./
1.5 mm., n_D^{20} 1.4650, d_4^{20} 1.175. The reaction does
not take place in the absence of HCl. In the presence
of $AlCl_3$, $SbCl_5$ or $ZnCl_2$ (10-15%), mainly the polymerization
of I takes place.

Card : 2/2

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. 3-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81639

Author : Kratochvil M., Frejka J

Inst :

Title : The Preparation of the Acid Chloride, 3-Chlorotetrahydrofurfuryl Acetic Acid

Orig Pub: Chem. listy, 1958, 52, No 1, 152-153.

Abstract: The acid chloride (II) of 3-chlorotetrahydrofurfuryl acetic acid (IIa) was obtained by the reaction of 2,3-dichlorotetrahydrofuran (I) with ketone in the presence of 0.1% anhydrous $ZnCl_2$. The catalyst in the amount of $> 5\%$ leads to the polymerization of I. Once more 0.5 moles of I is passed through the reaction column with the addition of 0.01 grams of calcined $ZnCl_2$ dissolved in 20 ml ether at $30^\circ C$ and

Card : 1/2

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry

G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81639

introducing ketene at the rate of 11-12 grams per hour, and the main fraction was distilled (44 grams) with a boiling point of 105-105.5°C./11 mm, n_D^{20} 1.4876, d_4^{20} 1.2694 Methyl ester (II-a) of (II-b) was obtained from the crude reaction mixture by the addition of 50 ml of anhydrous methanol and boiling for 30 minutes. Afterwards the acetic acid formed is distilled at normal pressure; 2-methoxy-3-chlorotetrahydrofuran (from the unreacted I), b.p. 60-63°C./28 mm, and II-b, yield 54%, b.p. 108-109°C./9 mm, n_D^{20} 1.4652, d_4^{20} 1.2592. II-b was also obtained in a 98.3% yield by boiling 10 grams of the separated II for 30 minutes with 2 grams of anhydrous methanol.

Card : 2/2

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КРАТКОВИЛ, М.

KRATOKHVIL [Kratokhvīl], M.

Reactions of chlorinated furanidine. Part 2: Synthesis of substituted 2-alkoxy-3-chlorotetrahydrofurans. Coll Cz Chem 25 no.5:1351-1358 My '60.

1. Vysokomol. khim. akademiya im. A. Zapototskogo, Brno.

S/081/62/000/024/047/073
B106/B186

AUTHOR: Kratochvíl, M.

TITLE: Reactions of chlorinated furanidines. III. Unsaturated acetals of the furanidine series. IV. Synthesis and properties of some β -chloro-alkoxy-tetrahydrofurans

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 354 - 355, abstract 24Zh261 (Collect. Czechosl. Chem. Commun., v. 27, no. 2, 1962, 465-467 [Ger.; summary in Russ.]; no. 3, 742 - 750 [Russ.; summary in Ger.])

TEXT: III. From 2-R-5-R'-furanidines [Ia R = Cl(CH₂)₂O, Ib R = Cl, Ic R = R' = Cl; R, not denoted are always H] the corresponding derivatives are obtained (Id R = CH₂ = CHO; Ie R = CH₂ = CHCH₂O; If R = R' = CH₂ = CHCH₂O; Ig R = CH₂ = CHCH₂O, R' = Cl). 0.5 moles of Ia are stirred into a mixture of 50 g pulverized KOH and 80 ml of N[(CH₂)₂OH]₃ in the course of 3 hrs, the product is steam-distilled at 160-170°C (b.p. 98-105°C) and twice

Card 1/7

Reactions of chlorinated ...

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fractionated over pulverized KOH. Id, $C_6H_{10}O_2$, yield 31 %, b. p. 126 - 128°C/732 mm Hg, n_D^{20} 1.4412, d_4^{20} 0.9782 is obtained. 0.2 moles of Ia are stirred dropwise into a solution of 30 g anhydrous NaI in 160 ml anhydrous acetone in the course of 1 hr (60-70°C). It is then boiled for 4 hrs, 120 ml of acetone are distilled off, it is cooled, the salt is dissolved in water, an extraction with ether is made, and the extract is concentrated by evaporation at 30°C/45 mm Hg. The residue is treated with KOH, as described above. Id is obtained, yield 44.6 %. 25 g $CH_2=CHCH_2OH$ (II) is mixed with 0.05 g anhydrous $ZnCl_2$ (-10°C). A solution of 0.3 moles of Ib in 20 ml of dry ether, cooled to -10°C, is stirred dropwise into the mixture, the HCl gas is removed in vacuo, the temperature slowly raised to 60-65°C and kept there until HCl evolution is finished. Distillation gives Ie, $C_7H_{12}O_2$, yield 76 %, b.p. 46-46.5°C/12 mm Hg, n_D^{20} 1.4398, d_4^{20} 0.9696. In the same way Ig, $C_7H_{11}ClO_2$, yield 48 %, b.p. 72-73°C/10 mm Hg, 76-78°C/12 mm Hg, n_D^{20} 1.4611, d_4^{20} 1.1270, and If, $C_{10}H_{16}O_3$, yield 36 %, b.p. 94-95°C/12 mm Hg, n_D^{20} 1.4543, d_4^{20} 1.0249, Card 2/7

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are obtained from 0.5 mole of Ic and 60 g II. A mixture of Ib and Ic, obtained by chlorination of tetrahydrofuran (III), and 60 g II give, as described above: Ie, yield 21 g, Ig, yield 12.7 g, and If, yield 21.6 g. The data of the infrared spectrum for Id are given.

IV. By reaction of Ib and Ic with ethylene oxide (IV), propylene oxide (V), and epichlorohydrin (VI), the corresponding furanidines

[Ih R = O(CH₂)₂Cl; Ii R = CH₃CHOCH₂Cl; Ik R = ClCH₂CHOCH₂Cl;

Il R = O(CH₂)₂Cl, R' = Cl; Im R = R' = O(CH₂)₂Cl; In R = CH₃CHOCH₂Cl, R' = Cl], and Ia were obtained. The behavior of Ih-n under solvolysis

conditions was studied. Ia gave I [R = C₂H₅O(CH₂)₂O] (Io), while 2-R-3-

chlorotetrahydrofuran [VIIa R = Cl(CH₂)₂O, VIIb R = ClCH₂CHOCH₃, VIIc

R = (ClCH₂)₂CHO] yielded the following derivatives:

[VIId R = CH₃COO(CH₂)₂O, VIIe R = C₂H₅O(CH₂)₂O, VIIf R = CH₂=COCH₃,

VIIg R = CH₂=COCH₂OC₂H₅, VIIh R = HO(CH₂)₂O], as well as

CH₃COO(CH₂)₂CHClCH(OOCCH₃)O(CH₂)₂OOCCH₃ (VIII). A mixture of 0.3 moles

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of Ib and 50 ml dry CCl_4 , cooled down to -10 to -15°C is added dropwise to a mixture of 0.3 moles of IV, 10 ml CCl_4 and 0.02 g anhydrous ZnCl_2 (temperature not higher than -5°C). CCl_4 and ca. 2 ml VI (b.p. $40-42^\circ\text{C}/16$ mm Hg) are distilled in vacuo; the main fraction ($74-78^\circ\text{C}/10$ mm Hg) gives, after repeated distillation, Ih, $\text{C}_6\text{H}_{11}\text{ClO}_2$, yield 92 %, b.p. $75 - 76^\circ\text{C}/15$ mm Hg, n_D^{20} 1.4530, d_4^{20} 1.1453. In the same way (in the case of Il-n, 0.08 g ZnCl_2 is used and I is added to the epoxide) Ii-n are obtained (the data are given in the following order: initial materials, their molar ratio, medium, reaction temperature in $^\circ\text{C}$, product, gross formula, yield in %, b.p. in $^\circ\text{C}/\text{mm Hg}$, n_D^{20} , d_4^{20}): Ib, V, 0.1:0.1, III, -5 , to -20 , Ii, $\text{C}_7\text{H}_{13}\text{ClO}_2$, 85, $75-76/12$, 1.4488, 1.0996; Ib, VI, 0.3:0.3, ether, -5 to $+20$, Ik, $\text{C}_7\text{H}_{12}\text{Cl}_2\text{O}_2$, 89, $110.5-111/13$, 1.4739, 1.2450; Ic, IV, 0.1:0.2, CCl_4 , -5 to -10 , Il, $\text{C}_6\text{H}_{10}\text{Cl}_2\text{O}_2$, 29, $108-108.5/16$, 1.4737, 1.2794; Ic, IV, 0.1:0.2, CCl_4 , -5 to -10 , Im, $\text{C}_8\text{H}_{14}\text{Cl}_2\text{O}_3$, 57, Card 4/7

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130-131/8, 1.4740, 1.2444; Ic, V, 0.1:0.2, ether, -5 to +20, In, $C_7H_{12}Cl_2O_2$, 55, 105-106/12, 1.4870, 1.2275. The yields of Im and In in III medium amount to 13 % and 64 %, respectively. A mixture of 1 mole of III and 10 ml of CCl_4 is chlorinated for 2 hrs at -25°C (UV.irradiation), the HCl gas being removed by bubbling through dry N_2 and by vacuum. 45 g IV, 20 ml of dry CCl_4 , and 0.06 g anhydrous $ZnCl_2$ are added to the mixture (temperature below -5°C); 25 g Ih, 13 g Il and 18 g Im are obtained by distillation. 0.2 moles of Ia are added to a solution of 15 g KOH in 100 ml of absolute alcohol, the mixture is heated to 60-70°C for 4 hrs, is filtered, and the precipitate is washed with ether. Distillation of the filtrate yields Io, $C_8H_{16}O_3$, yield 56.6 %, b.p. 83.5 - 84°C/15 mm Hg, n_D^{20} 1.4384, d_4^{20} 1.0412. In the same way (heating for 6 hrs), VIIa gives VIIe, $C_8H_{15}ClO_3$, yield 48.8 %, b.p. 112-114°C/14 mm Hg, n_D^{20} 1.4538, and VIIc (25 g KOH in 200 ml alcohol) VIIg, $C_9H_{15}ClO_3$, yield 59 %, b.p. 118-121°C/16 mm Hg, n_D^{20} 1.4688, d_4^{20} 1.1442. Similarly (80 ml of alcohol) one

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obtains VIIf, $C_7H_{11}ClO_2$, yield 56.5 %, b.p. 92-94°C/14 mm Hg, n_D^{20} 1.4640, d_4^{20} 1.1208, from 0.125 moles of VIIb. A mixture of 0.2 moles of VIIa with a solution of 40 g CH_3COONa in 120 ml alcohol is heated to 160-165°C in sealed tubes for 6 hrs, and filtered; the distillate obtained at 120°C/7.2 mm Hg is removed, ether is added, and filtered. One obtains by distillation VIIId, $C_8H_{13}ClO_4$, yield 63 %, b.p. 128-129°C/11 mm Hg, n_D^{20} 1.4603, d_4^{20} 1.2271. A mixture of 0.25 moles of VIIa, 5 ml of C_5H_5N and of a solution of 0.5 moles of anhydrous CH_3COOK in 120 ml alcohol is boiled for 3 hrs and treated as in the previous experiments. VIIId, yield 7.1 %, is obtained. A mixture of 0.1 mole of VIIId, 30 g $(CH_3CO)_2O$ and 0.2 g anhydrous $ZnCl_2$ is boiled for 4 hrs (temperature not higher than 130°C). Distillation gives VIII, $C_{12}H_{19}ClO_7$, yield 32 %, b.p. 142-144°C/3 mm Hg, n_D^{20} 1.4565, d_4^{20} 1.2090, and $CH_3COO(CH_2)_2OOCCH_3$, yield 31 %. A mixture of 7.8 g VIII with a solution of 4.5 g KOH in 30 ml water is boiled for 2 hrs, and the aqueous layer is extracted with ether. VIIh, $C_6H_{11}ClO_3$, b.p. 125 - 127°C/10 mm Hg, n_D^{20} 1.4724, d_4^{20} 1.2568 is obtained from the extract
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Reactions of chlorinated ...

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by distillation. For communication II: see RZhKhim, 1961, 11Zh165.
[Abstracter's note: Complete translation.]

Card 7/7

JANAK, J.; JONAS, J.; KRATOCHVIL, M.

Identification of some acetals of 3,4-tetrahydrofuran series by gas chromatography with the aid of the Kovats indices. Coll Cz Chem 30 no.1:265-276 Ja '65.

1. Laboratory for Gas Analysis of Czechoslovak Academy of Sciences, Brno, and Department of Organic Chemistry of Purkyne University, Brno. Submitted December 27, 1963.

KRATOCHVIL, M.

Our experiences with narcogen. Sloven.lekar 12 no.9-10:502-507
Sept-Oct 50. (CLML 20:5)

1. Of the Surgical Clinic (Head--Prof.K.Carsky,M.D.) of Slovak
University, Bratislava.

DIRKOVIC, I.

Vyznam antikogulacneho faktoru cievnej steny pri vzniku arteriálnej
trombozy. [Importance of anticoagulant factors of vascular wall in the
formation of arterial thrombosis] Bratisl. lek. listy 30:4-5 Apr-May
50 p. 351-9

1. Of the Histo-Embryological Institute (Head -- Docent Ivan Stanek,
M. D.) and of the Surgical Clinic (Head -- Prof. Konstantin Careky,
M. D.).

KEATCCHVIL, M.

plus SIMKOVIC, I. AND ONDROUCHOVA, D.

"Not s on the Importance of Position of the Patient in Lung Resection."
(Second Surgical Clinic of the Slovakian University, Bratislava).

SO: Rozhl. v chir., Prague, Vol. 32 (1953), No. 12, p. 666-674.

KRATOCHVIL, M. And Others.

"Modifications of Volume and Composition of the Blood in Patients Exhausted by a Chronic Disease." p. 1263 (CASOPIS LEFARU CESKYCH, Vol. 92, No. 46, Nov. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

KRATOCHVIL, M.; SIMKOVIC, I.; HUBKA, M.; HUTAN, L.

Technic of portacaval anastomosis with Eck's and Pavlov's fistulas
experimental studies. Bratisl. lek. listy 34 no.7:727-740 July 54.

1. Z Ustavu usitej anatomie, prednosta dr. M.Kratochvil, z I.
chirurgickej kliniky, prednosta prof. dr. K.Carsky, a z II. chirurgickej
kliniky LFSSU v Bratislave, prednosta clen corresp. SAV K.Siska.

(FISTULA, experimental,

Eck's & Pavlov, technic of portacaval anastomosis in)

(VEINS, PORTAL SYSTEM, surgery,

portacaval anastomosis in Eck's & Pavlov's fistulas)

(VENAE CAVAE, surgery,

portacaval anastomosis in Eck's and Pavlov's fistulas)

KRATOCHVIL, M.; SIMKOVIC, I.; HUBKA, M.; HUTAN, L.

Problem of utilization of nitrogen from protein hydrolysates.
Bratisl. lek. listy 34 no.7:741-757 July 54.

1. & I. Chirurgickéj kliniky, prednosta prof. dr. K.Carsky, & II.
chirurg. kliniky, prednosta clen korespondent SAV K.Siska, & & Ustavu
uzitej anatomie v Bratislave, prednosta dr. M.Kratochvil.

(NITROGEN, metabolism,

utilization from protein hydrolysates in dogs, determ.
with Eck's & Pavlov's fistulas)

(PROTEINS,

hydrolysates, utilization of nitrogen from protein
hydrolysates, determ. with Eck's & Pavlov's fistulas)

KRATOCHVIL, M.

SIMKOVIC, I.; DUBROTA, S.; KOSTOINY, I.; SCHNORRER, M.; KRATOCHVIL, M.;
PIVKOYA, A.; DUCHON, J.

A hemodynamic study of the pulmonary circulation in some surgical
pulmonary diseases. Bratisl. lek. listy 35 no.10:641-646 31 May 55.

1. Z II chir. kliniky LFUK v Bratislave, prednosta oien koresp.
SAV K. Siska, z Ustavu uzitej anatomie LFUK v Bratislave, prednosta
MUDr. M. Kratochvil, a z II. internej kliniky LFUK v Bratislave,
prednosta doc. MUDr. V. Haviar.

(HYPERTENSION

pulm. in surg. pulm. dis., catheterization of heart
& pulm. artery)

(LUNGS, diseases

surg., pulm. hypertension elimination by catheterization)

(HEART

catheterization in surg. pulm. dis.)

(ARTERIES, PULMONARY

catheterization in surg. pulm. dis.)

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Blood-Vascular System. Vessels. S-5

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79143.

Author : Kratochvil, M., Kapeller, K., Godal, A.

Inst : Not given.

Title : Several Signs of Subterminal and Terminal Ramification of Portal and Arterial Blood Vessels in the Human Liver.

Orig Pub: Ceskosl. morfol., 1957, 5, No 3, 227-236.

Abstract: A study of the corrosive mounts of vessels of the human liver confirmed on the whole, the results of the investigations of Elias (Amer. J. Anat., 1949, 85, 379). In addition, it was established that the small partitioning veins do not proceed in parallel with the interlobar veins, but proceed away from them at under a direct an-

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EXCERPTA MEDICA Sec 9 Vol 13/11 Surgery Nov 59

6505. AN ATTEMPT AT LOCAL (REGIONAL) CHEMOTHERAPY IN SURGICAL
TREATMENT OF TUMOURS - Kratochvíl M., Winkler A.,
Tesárek T., Godál A., Knotz F., Judin J., Drác F.,
Kvasnička A., Ujházy V., Sándor L. and Černý V. Oncol.

Res. Inst., Bratislava - NEOPLASMA 1959, 6/2 (170-174) Tables 1
An attempt was made to enhance the effect of chlormethine by intra-arterial ad-
ministration of the drug during surgery. The patients received the drug also be-
fore and after the operation i.v. Preoperatively the drug was given intra-arterially
in doses increased two- to threefold, without causing local or general toxic sym-
ptoms. This treatment does not increase the mortality due to operation. The post-
operative course is adversely affected, however. The authors consider this method
favourable for combined surgical and chemical treatment.
(XVI, 9)

KRATOCHVIL. M.; KNOTZ, F.; JUDIN, J.; GODAL, A.; WINKLER, A.

An experimental study in local (regional) chemotherapy of the
intrahepatically implanted Brown - Pearce tumour in the rabbit.
Neoplasma, Bratisl. 6 no.3:275-279 1959

1. Oncological Research Institute, Bratislava
(NEOPLASMA exper.)
(NITROGEN MUSTARDS pharmacol.)
(LIVER neopl.)

Kratochvil, M. , Moravec, R.

Notes on the morphology and dynamics of blood circulation in the terminal sections of the vessel system in liver. In German. p. 499.

IOLOGIA, Bratislava, Czechoslovakia, Vol. 14, no. 7, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct, 1959
Uncl.

KAPELLER, K.; SANDOR, L.; WINKLER, A.; KRATOCHVIL, M.

Effect of 6-azauracil riboside on spermatogenesis in rats.
Neoplasma, Bratisl. 7 no.1 suppl:141-143 '60.

(NUCLEOSIDES AND NUCLEOTIDES pharmacol)
(ANTINEOPLASTIC AGENTS pharmacol)
(SPERMATOCYTES)

GODAL, A.; JUDIN, J.; KNOTZ, F.; KRATOCHVIL, M.

A comparative study of the effect of intraperitoneal and intraportal administrations of TS 160 on the regenerative activity of the rat liver. Neoplasma 8 no.5:537-542 '61.

1. Oncological Research Institute, Bratislava, Czechoslovakia.
(NITROGEN MUSTARDS pharmacol) (LIVER pharmacol)
(REGENERATION pharmacol)

KRATOCHVIL, M.; SARI, F.; VIDO, I.

Experiences with percutaneous transhepatic cholangiography. Bratisl.
lek. listy 42 no.4:193-198 '62.

1. Z Vyskumneho ustavu onkologickeho v Bratislave, riaditel clen
koreap. SAV V. Thurzo, a z III internej kliniky Lek. fak. Univ.
Komenskeho v Bratislave, veduci prof. MUDr. T. R. Niederland.

(CHOLANGIOGRAPHY)

KRATOCHVÍL, M.

Czechoslovakia

Tuberculosis Department of the Hospital OUNZ in Usti
nad Orlicí -- Usti nad Orlice (Tuberkulózní oddělení
nemocnice OUNZ v Ústí nad Orlicí -- Ústí nad Orlicí);
Director: K. FIALA, MUDr.

Prague, Rozhledy v tuberkulóse, No 1, 1963, pp 22-26

"The Significance of Rib Anomalies for the Evaluation
of Photofluorograms."

KRATOCHVIL, M.; CERNY, J.; SCHNIERER, M.; PETRAS, J.; SIMKOVIC, I.;
SMREČANSKY, V.

Surgical anatomy of the outflow of the left heart. Bratisl.
lek. listy 63 no.3:165-169 '63.

1. Laboratorium pre vyskum chirurgickej patofyziologie Lek.
fak. Univ. Komenskeho v Bratislave, riaditel' doc. MUDr.
M. Kratochvil.

(AORTIC VALVE) (ANATOMY) (HEART SURGERY)
(AORTA). (CORONARY VESSELS)

KRATOCHVIL, M.; VNUKOVA, I.

The effect of splenectomy on the efficacy of chloralkylamine
in influencing the regeneration capacity of the rat liver.
Neoplasma 11 no.1:51-54 '64.

1. Research Laboratory for Surgical Pathophysiology, Medical
Faculty, Komensky University, Bratislava, Czechoslovakia.

*

SIMKOVIC, I.; SMRECANSKY, V.; KRATOCHVIL, M.; CERNY, J.

Functional evaluation of membrane pumps. Bratisl. lek. listy
44 no.4:193-198 '64.

Hemodynamic laws in the arterial sector of the extracorporeal
circulation. Ibid:199-202

1. II. chirurgická klinika Lek.fak.Univ.Komenskeho v Bratislave
(veduci: akademik K.Siska) a Laboratorium pre vyzkum chirurgickej
patofyziologie Lek.fak.Univ.Komenskeho v Bratislave
(veduci: prof.M.Kratochvil).

*

KRATOCHVIL, M.; GERNY, J.; MINAR, J.; SCHNIEBER, M.

Effect of partial hepatectomy on the restitution of the angio-architectonics in the liver of rats with carbon tetrachloride cirrhosis. Bratisl. Lek. Listy 44 no.7:392-396 '64.

1. Laboratorium pre vyskum chirurgickej patofyziologic Lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. MUDr. M. Kratochvil, Dr.Sc.).

MINAR, J.; KRATOCHVIL, M.; CERNY, G.

Regeneration of the rat liver in changed conditions of the liver blood flow. Bratisl. lek. listy 44, no.8:502-507 '64.

1. Katedra anatomicke lek. fak. Univerzity Komenského v Bratislave (veduci prof. MUDr. M. Kratochvil, DrSc.)

KRATOCHVIL, Max, inz.

Remarks on the article "How to ensure the complex development of the machine production technology." Podn org 18 no.9:415 S '64.

1. Ceskoslovenske zavody naftovych motoru National Enterprise.

PEKAROVIC, Eduard, C.SC. MUDr.; CERVENANSKY, Jan, Univ. prof. MUDr.,
vedecky redaktor; KRATOCHVIL, Milan, doc. MUDr., recenzent; BALEK,
Ferdinand, MUDr.

Rifid myelodysplasia with lumbosacral localization. Lek. prac.
[Biol. lek.] 3 no.5:1-112 '63.

1. Klinika detskej a mozgovej chirurgie, Lekarska fakulta Univerzity
Komenskeho, Bratislava (for Pekarovic).

KRATOCHVIL, O.

Schematic survey of problems of the Soviet medical geography and ecology. Georg can SAV 15 no.4:304-305'63.

KRATOCHVIL, O.

Medical geography and the present world health situation.
Geogr cas SAV 15 no.3:229-231 '63.

KRATOCHVIL, Oldrich, inz.

New trends in the design of dairy apparatus. Prum potravin 14
no.9:489-493 S'63.

1.Choteborske kovodelne zavody, n.p., Chotebor.

Statistika ... chorô v SSR v rok 1971 ...
disease in Czechoslovakia during 1971 Zdravotnicka správa, Praha 1972, 24/7 (135-136)
Tables 1.

So: Medical Microbiology and Hygiene, Section 1, Vol. 3, no. 1-3

KRATOCHVIL O. Statistika infekcnich chorob v ceskych zemich v roce 1947 a 1948,
Statistics on infectious diseases in Czech counties in 1947-1948, Zdravotnicka
Revue, Prague 1949, 24/11 (235-237) Tables 3

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

KRATOCHVIL, O.

"Medical geography." Reviewed by O. Kratochvil. Geogr cas SAV 15
no.1:84 '63.

PLAVEC, M.; KRATOCHVIL, F.

Tables for the Roche model of close binaries. Bul astr Cz
15 no.5:165-170 '64

1. Astronomical Institute, Czechoslovak Academy of Sciences,
Ondrejov (for Plavec). 2. Charles University, Prague (for
Kratochvil).

CZECHOSLOVAKIA/Chemical Technology - Lacquers. Paints. Coatings. H-30

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83637

Author : Weigner, J.A., Kratochvil, F., Kudlacek, Vl., Havel, St.

Inst : -

Title : Para Cresol as a Side Product in the Manufacture of New Varnishes.

Orig Pub : Chem. prumysl, 1956, 6, No 6, 221-225.

Abstract : No abstract.

Card 1/1

KRATOCHVIL, P.; MURK, P.

Graphic alignment of the functions of two variables in the physical and chemical measurements. Coll Cz Chem 25 no.5:1237-1247 My '60.

1. Institut für makromolekulare Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

MUNK, P.; KRATOCHVIL, P.; SEDLACEK, B.

Interaction of albumins. XXIII. Thermal denaturation and aggregation of human serum albumin in phosphate buffers. Coll Cz chem 25 no.10: 2611-2621 0 '60.
(EEAI 10:9)

1. Institut fur makromolekulare Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

| | | |
|-----------------|--------------|---------------------|
| (Serum albumin) | (Phosphates) | (Buffer substances) |
| | (Albumins) | |

MUNK, P.; KRATOCHVIL, P.; SEDLACEK, B.

Interaction of albumins. XXV. Effect of external conditions on
thermal denaturation and aggregation of human serum albumin. Coll
Cz chem 26 no.2:352-369 F '61. (EEAI 10:9)

1. Institut für makromolekulare Chemie, Tschechoslowakische Akademie
der Wissenschaften, Prag.

(Serum albumin)

KRATOCHVIL, P.; MUNK, P.; BARTL, P.

Protein interactions. Part 26: Delimitation of the aggregation region of heat-denatured human serum albumin. Coll Cz Chem 26 no.4:945-953 Ap '61.

1. Institute of Macromolecular Chemistry and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(Proteins) (Albumin)